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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/332,803A

DATE: 07/18/2001

TIME: 09:27:26

Input Set : A:\sequences.txt

Output Set: N:\CRF3\07182001\I332803A.raw

ENTERED

3 <110> APPLICANT: Vogels, Ronald
 4 Bout, Abraham
 6 <120> TITLE OF INVENTION: Packaging systems for human recombinant adenovirus to
 7 be used in gene therapy
 9 <130> FILE REFERENCE: P20879US06
 11 <140> CURRENT APPLICATION NUMBER: 09/332,803A
 12 <141> CURRENT FILING DATE: 1999-06-14
 14 <150> PRIOR APPLICATION NUMBER: 09/065,752 US
 15 <151> PRIOR FILING DATE: 1998-04-24
 17 <150> PRIOR APPLICATION NUMBER: PCT/NL99/00235
 18 <151> PRIOR FILING DATE: 1999-04-23
 20 <160> NUMBER OF SEQ ID NOS: 69
 22 <170> SOFTWARE: PatentIn Ver. 2.1
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 23
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Artificial Sequence
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: Description of Artificial Sequence: oligo linker
 33 <220> FEATURE:
 34 <221> NAME/KEY: misc_feature
 35 <222> LOCATION: (1)..(23)
 36 <223> OTHER INFORMATION: /Note="linker with PacI site"
 38 <400> SEQUENCE: 1
 39 aattgtctta attaaccgct taa 23
 42 <210> SEQ ID NO: 2
 43 <211> LENGTH: 19
 44 <212> TYPE: DNA
 45 <213> ORGANISM: Artificial Sequence
 47 <220> FEATURE:
 48 <221> NAME/KEY: misc_feature
 49 <222> LOCATION: (1)..(19)
 50 <223> OTHER INFORMATION: /Note="linker with Pac site"
 52 <220> FEATURE:
 53 <223> OTHER INFORMATION: Description of Artificial Sequence: oligo linker
 55 <400> SEQUENCE: 2
 56 aattgtctta attaaccgc 19
 59 <210> SEQ ID NO: 3
 60 <211> LENGTH: 19
 61 <212> TYPE: DNA
 62 <213> ORGANISM: Artificial Sequence
 64 <220> FEATURE:
 65 <221> NAME/KEY: misc_feature
 66 <222> LOCATION: (1)..(19)
 67 <223> OTHER INFORMATION: /Note="linker with Pac site"
 69 <220> FEATURE:
 70 <223> OTHER INFORMATION: Description of Artificial Sequence: oligo linker

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73 aattgcggtt aattaagac 19
76 <210> SEQ ID NO: 4
77 <211> LENGTH: 47
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <221> NAME/KEY: primer_bind
83 <222> LOCATION: (1)..(47)
84 <223> OTHER INFORMATION: /Note="primer LTR-1"
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
89 <400> SEQUENCE: 4
90 ctgtacgtac cagtgcactg gcctaggcat ggaaaaatac ataactg 47
93 <210> SEQ ID NO: 5
94 <211> LENGTH: 64
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <221> NAME/KEY: primer_bind
100 <222> LOCATION: (1)..(64)
101 <223> OTHER INFORMATION: /Note="primer LTR-2"
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
106 <400> SEQUENCE: 5
107 gcggatcctt cgaaccatgg taagcttgg accgctagcg ttaaccgggc gactcagtca 60
108 atcg 64
111 <210> SEQ ID NO: 6
112 <211> LENGTH: 28
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <221> NAME/KEY: primer_bind
118 <222> LOCATION: (1)..(28)
119 <223> OTHER INFORMATION: /Note="primer HSA1"
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
124 <400> SEQUENCE: 6
125 gcgccaccat gggcagagcg atggtggc 28
128 <210> SEQ ID NO: 7
129 <211> LENGTH: 50
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
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135 <222> LOCATION: (1)..(50)
136 <223> OTHER INFORMATION: /Note="primer HSA2"
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Description of Artificial Sequence: primer

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142 gttagatcta agcttgtcga catcgatcta ctaacagtag agatgtagaa      50
145 <210> SEQ ID NO: 8
146 <211> LENGTH: 21
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148 <213> ORGANISM: Artificial Sequence
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155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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159 gggattagg ccaaaggcgc a      21
162 <210> SEQ ID NO: 9
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164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <221> NAME/KEY: primer_bind
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170 <223> OTHER INFORMATION: /Note="primer 2"
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173 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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186 <222> LOCATION: (1)..(36)
187 <223> OTHER INFORMATION: /Note="primer 3"
189 <220> FEATURE:
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197 <211> LENGTH: 19
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203 <222> LOCATION: (1)..(19)
204 <223> OTHER INFORMATION: /Note="primer 4"
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210 gtcgctgtag ttggactgg 19
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214 <211> LENGTH: 25
215 <212> TYPE: DNA
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218 <220> FEATURE:
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220 <222> LOCATION: (1)..(25)
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223 <220> FEATURE:
224 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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227 cgataagctt aattcctttg tgttt 25
230 <210> SEQ ID NO: 13
231 <211> LENGTH: 33
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <221> NAME/KEY: primer_bind
237 <222> LOCATION: (1)..(33)
238 <223> OTHER INFORMATION: /Note="primer"
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
243 <400> SEQUENCE: 13
244 cttaggtaac ccagtagatc cagaggagtt cat 33
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247 <211> LENGTH: 45
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <221> NAME/KEY: misc_feature
253 <222> LOCATION: (1)..(45)
254 <223> OTHER INFORMATION: /Note="hac, haw Potential hairpin that can be
255     formed after digestion with restriction
256     endonuclease Asp718 in both the correct and in the
257     reverse orientation, respectively"
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
261     sequence
263 <400> SEQUENCE: 14
264 gtacactgac ctagtgccgc ccggggcaaag cccggggcggc actag 45
267 <210> SEQ ID NO: 15
268 <211> LENGTH: 63
269 <212> TYPE: DNA
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <221> NAME/KEY: primer_bind
274 <222> LOCATION: (1)..(63)
275 <223> OTHER INFORMATION: /Note="primer polyL-ITR"

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278 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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281 aactgcagat ctatcgatac tagtcaattg ctcgagtcta gactacgtca cccgccccgt 60
282 tcc 63
285 <210> SEQ ID NO: 16
286 <211> LENGTH: 39
287 <212> TYPE: DNA
288 <213> ORGANISM: Artificial Sequence
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291 <221> NAME/KEY: primer_bind
292 <222> LOCATION: (1)..(39)
293 <223> OTHER INFORMATION: /Note="primer ITR-BSN"
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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299 cgggatccgt cgacgcggcc gcatcatcaa taatatacc 39
302 <210> SEQ ID NO: 17
303 <211> LENGTH: 10
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
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309 <222> LOCATION: (1)..(10)
310 <223> OTHER INFORMATION: /Note="phosphorylated NSI linker"
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315 <400> SEQUENCE: 17
316 cgatgcatcg 10
319 <210> SEQ ID NO: 18
320 <211> LENGTH: 32
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial Sequence
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325 <221> NAME/KEY: primer_bind
326 <222> LOCATION: (1)..(32)
327 <223> OTHER INFORMATION: /Note="primer 1"
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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333 ggggtggcca gggtacctct aggcttttgc aa 32
336 <210> SEQ ID NO: 19
337 <211> LENGTH: 29
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial Sequence
341 <220> FEATURE:
342 <221> NAME/KEY: primer_bind
343 <222> LOCATION: (1)..(29)
344 <223> OTHER INFORMATION: /Note="primer 2"

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VERIFICATION SUMMARY

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